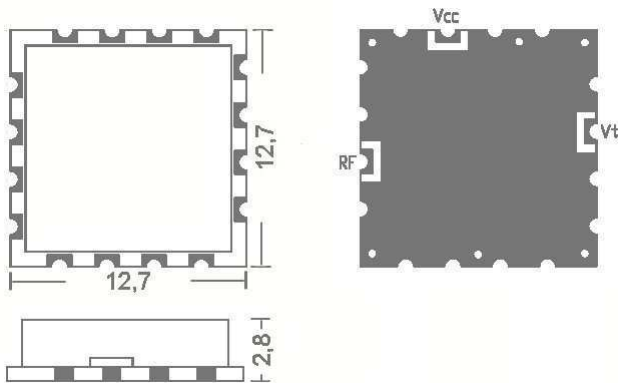


VCO Voltage Controlled Oscillator

SMD-version

part no.	12.xxxxx				
model	KXO-59				
	RSV925A				
supply voltage V_{DD}	$5.0 \pm 10\%$				
tuning voltage (V_t)	0.5 ~ 4.5 V				
operating temperature	$-40^\circ\text{C} \sim +85^\circ\text{C}$				
storage temperature	$-40^\circ\text{C} \sim +85^\circ\text{C}$				
storage humidity	5 ~ 95%				
electrical characteristics at +25°C, humidity 60%					
supply voltage	min.	typ	max	unit	test conditions
		5		V	DC voltage
frequency			890	MHz	$V_{DD} = 5\text{V}, V_t = 0.5\text{V}$
	960			MHz	$V_{DD} = 5\text{V}, V_t = 4.5\text{V}$
current		27		mA	$V_{DD} = 5\text{V}, V_t = 2.5\text{V}$
output level		2,0	4,0	dBm	$V_{DD} = 5\text{V}, V_t = 2.5\text{V}$
phase noise (C)/N		-80	-75	dBc/Hz	1kHz offset, BW = 1 Hz
		-105	-100	dBc/Hz	10kHz offset, BW = 1 Hz
		-125	-120	dBc/Hz	100kHz offset, BW = 1 Hz
		-145	-140	dBc/Hz	1MHz offset, BW = 1 Hz
2 nd harmonic		-20	-12	dBc	$V_{CC} = 5\text{V}$
tuning sensitivity		27		MHz/V	$V_t = 0.5\text{V} \sim 4.5\text{V}$
pulling		1,0	3,0	MHz	$V_{DD} = 5\text{V}, V_t = 0.5\text{V} \sim 4.5\text{V}$ VSWR = 2 all phase
	pushing		1,5	3,0	MHz
contents of reel	1000 pcs				

Dimensions (mm):



Reflow soldering condition:

